Journal of Heat Transfer

Author Index

The 2000 author index was inadvertently included in the December 2001 issue of the Journal of Heat Transfer. The correct annual index, for the year 2001 (Vol. 123, Nos. 1 through 6), is provided herein. We apologize for this inconvenience.

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: TN indicates Technical Note, D indicates Discussion, E indicates Errata, RC indicates Rapid Communication, BR indicates Book Review, and G indicates Heat Transfer Gallery.

Abbaschian, Reza — (see Simpson, James E.) **123,** 990–998
Abe, Yoshiyuki — (see Yoshida, Ken-ichi) **123,** 309–318
Advani, Suresh G. — (see Hsiao, Kuang-Ting) **123,** 178–187
Ahmed, I., and Bergman, T. L. — Simulation of Thermal Plasma Spraying of Partially Molten Ceramics: Effect of Carrier Gas on Particle Deposition and Phase Change Phenomena. **123,** 188–196
Al-Busoul, M. — (see Al-Qodah, Z.) **123,** 157–161
Al-Nimr, M. A. — (see Kiwan, S.) **123,** 790–795
Al-Qodah, Z., and Al-Busoul, M. — The Effect of Magnetic Field on Local Heat Transfer Coefficient in Fluidized Beds With Immersed Heating Surface. **123,** 157–161
Ammerman, C. N., and You, S. M. — Enhancing Small-Channel Convective Boiling Performance Using a Microporous Surface Coating. **123,** 976–983
Aniss, Saïd, Belhaq, Mohamed, and Souhar, Mohamed — Effects of a Magnetic Modulation on the Stability of a Magnetic Liquid Layer Heated From Above. **123,** 428–433
Arpacı, Vedat S. — Thermal Deformation: From Thermodynamics to Heat Transfer. **123,** 821–826
_____, **and Kao, Shu-Hsin** — Foundations of Buoyancy Driven Heat Transfer Correlations. **123,** 1181–1184(TN)
Asako, Yutaka — (see Yamaguchi, Yoshiyuki) **123,** 441–449
Attinger, D., and Poulikakos, D. — Melting and Resolidification of a Substrate Caused by Molten Microdroplet Impact. **123,** 1110–1122
Aviles-Ramos, C., Haji-Sheikh, A., Beck, J. V., and Dowding, K. J. — Estimation of Thermophysical Properties by the Spectral Method—Development and Evaluation. **123,** 24–30
Azad. G. M. S. — (see Teng, Shuye) **123,** 803–809(TN)

Baillis, Dominique — (see Lopes, Rogério) **123,** 240–248
Bajsić, Ivan — (see Tiselj, Iztok) **123,** 849–857
Balaji, C. — (see Rao, C. Gururaja) **123,** 698–702(TN)
Balkas, C. M. — (see Chen, Q.-S.) **123,** 1098–1109
Banerjee, D., and Dhir, V. K. — Study of Subcooled Film Boiling on a Horizontal Disc: Part I—Analysis. **123,** 271–284
_____, **and Dhir, V. K.** — Study of Subcooled Film Boiling on a Horizontal Disc: Part 2—Experiments. **123,** 285–293
Barrett, Michael J., and Hollingsworth, D. Keith — On the Calculation of Length Scales for Turbulent Heat Transfer Correlation. **123,** 878–883
Batchelder, Keith A., and Eaton, John K. — Practical Experience With the Discrete Green's Function Approach to Convective Heat Transfer. **123,** 70–76
Beck, J. V. — (see Aviles-Ramos, C.) **123,** 24–30
Bejan, A. — (see Neagu, M.) **123,** 1184–1189(TN)
Bejan, Adrian — (see Rocha, Luiz A. O.) **123,** 233–239
_____ (see Vargas, Jose V. C.) **123,** 760–769
Belhaq, Mohamed — (see Aniss, Saïd) **123,** 428–433
Bennett, Ted D. — (see Li, Lei) **123,** 376–381
Benton, John — (see Kim, Jungho) **123,** 620(G)
Bergant, Robert — (see Tiselj, Iztok) **123,** 849–857
Bergles, Arthur E. — (see Chen, X. D.) **123,** 1149–1158
Bergman, T. L. — (see Ahmed, I.) **123,** 188–196
_____ (see Buckley, C. W.) **123,** 586–592
Beskok, A. — (see Sert, C.) **123,** 621(G)
Bhatt, B. L. — (see Kobus, C. J.) **123,** 319–330
Blackwell, Bennie F. — (see Dowding, Kevin J.) **123,** 1–10
Bowman, B. J. — (see Chang, S. L.) **123,** 544–555
Bryan, J. E., and Seyed-Yagoobi, J. — Influence of Flow Regime, Heat Flux, and Mass Flux on Electrohydrodynamically Enhanced Convective Boiling. **123,** 355–367
Buch, Robert — (see Sivathanu, Yudaya) **123,** 1093–1097
Buckley, C. W., and Bergman, T. L. — An Experimental Investigation of Heat Affected Zone Formation and Morphology Development During Laser Processing of Metal Powder Mixtures. **123,** 586–592
Bullard, Clark W. — (see Kim, Man-Hoe) **123,** 301–308
Buratti, Cinzia — Analysis of the Thermal Stress and Strain on Arrigo Fiammingo's Artistic Window in the Cathedral of Perugia. **123,** 1173–1180

Cai, Ruixian, and Zhang, Na — Some Algebraically Explicit Analytical Solutions of Unsteady Nonlinear Heat Conduction. **123,** 1189–1191(TN)
Cao, Yiding — (see Ling, Jian) **123,** 113–119
Castle, R. Michael, Thomas, Scott K., and Yerkes, Kirk L. — The Effect of Working Fluid Inventory on the Performance of Revolving Helically Grooved Heat Pipes. **123,** 120–129
Chandra, Sanjeev — (see Cui, Qiang) **123,** 719–728
Chang, J. S., Ph.D. — (see Cotton, J. S., Ph.D.) **123,** 622(G)
Chang, Kai-Ti R., and Chen, Kang Ping — Linear Stability of Mixed Convection Flow of Two Immiscible Fluids in a Vertical Annulus. **123,** 434–440
Chang, S. L., Lottes, S. A., Zhou, C. Q., Bowman, B. J., and Petrick, M. — Numerical Study of Spray Injection Effects on the Heat Transfer and Product Yields of FCC Riser Reactors. **123,** 544–555
Chang, Yu-Juei — (see Lin, Yur-Tsai) **123,** 827–836
Charette, A. — (see Sakami, M.) **123,** 892–900
Chen, Gang — (see Zeng, Taofang) **123,** 340–347
Chen, Hamn-Ching — (see Jang, Yong-Jun) **123,** 563–575
Chen, Kang Ping — (see Chang, Kai-Ti R.) **123,** 434–440
Chen, Q.-S., Zhang, H., Prasad, V., Balkas, C. M., and Yushin, N. K. — Modeling of Heat Transfer and Kinetics of Physical Vapor Transport Growth of Silicon Carbide Crystals. **123,** 1098–1109
Chen, X. D., Xu, X. Y., Nguang, S. K., and Bergles, Arthur E. — Characterization of the Effect of Corrugation Angles on Hydrodynamic and Heat Transfer Performance of Four-Start Spiral Tubes. **123,** 1149–1158
Ching, Chan Y. — (see Oo, Aung N.) **123,** 665–674
Chiu, Wilson K. S., Richards, Cristy J., and Jaluria, Yogesh — Experimental and Numerical Study of Conjugate Heat Transfer in a Horizontal Channel Heated From Below. **123,** 688–697

Chyu, M. K. — (see Lin, Y.-L.) **123,** 219–232
Cotton, J. S., Ph.D., Shoukri, M., Ph.D., and Chang, J. S., Ph.D. — OSCILLATORY ENTRAINED DROPLET EHD TWO-PHASE FLOW. **123,** 622(G)
Cui, C., Huang, X. Y., and Liu, C. Y. — Forced Convection in a Porous Channel With Discrete Heat Sources. **123,** 404–407
Cui, Qiang, Chandra, Sanjeev, and McCahan, Susan — The Effect of Dissolving Gases or Solids in Water Droplets Boiling on a Hot Surface. **123,** 719–728
Czechowski, L., and Floryan, J. M. — Marangoni Instability in a Finite Container-Transition Between Short and Long Wavelengths Modes. **123,** 96–104

Daisaka, Hisashi — (see Li, Peiwen) **123,** 779–789
Dalton, T. M. — (see Newport, D. T.) **123,** 1052–1061
Das, P. K. — (see Kundu, B.) **123,** 601–604(TN)
Daun, K. J., and Hollands, K. G. T. — Infinitesimal-Area Radiative Analysis Using Parametric Surface Representation, Through NURBS. **123,** 249–256
Davies, M. R. D. — (see Newport, D. T.) **123,** 1052–1061
de Groh, Henry C., III — (see Simpson, James E.) **123,** 990–998
Dembele, S., Wen, J. X., and Sacadura, J.-F. — Experimental Study of Water Sprays for the Attenuation of Fire Thermal Radiation. **123,** 534–543
Dhir, V. K. — (see Banerjee, D.) **123,** 271–284
_____ (see Banerjee, D.) **123,** 285–293
Díaz, Gerardo, Sen, Mihir, Yang, K. T., and McClain, Rodney L. — Adaptive Neurocontrol of Heat Exchangers. **123,** 556–562
_____ (see Pacheco-Vega, Arturo) **123,** 348–354
Dietz, Thomas A. — (see Marotta, E. E.) **123,** 11–23
Dowding, K. J. — (see Aviles-Ramos, C.) **123,** 24–30
Dowding, Kevin J., and Blackwell, Bennie F. — Sensitivity Analysis for Nonlinear Heat Conduction. **123,** 1–10
Dutta, A. — (see Saha, S. K.) **123,** 417–427

Eaton, John K. — (see Batchelder, Keith A.) **123,** 70–76
_____ (see Elkins, Christopher J.) **123,** 604–607(TN)
El Kasmi, A. — (see Sakami, M.) **123,** 892–900
Elkins, Christopher J., Fessler, John, and Eaton, John K. — A Novel Mini Calibrator for Thermochromic Liquid Crystals. **123,** 604–607(TN)
Emery, A. F. — Higher Order Perturbation Analysis of Stochastic Thermal Systems With Correlated Uncertain Properties. **123,** 390–398
_____ Using the Concept of Information to Optimally Design Experiments With Uncertain Parameters. **123,** 593–600
Ezekoye, Ofodike A. — (see França, Francis H. R.) **123,** 884–891

Faeth, G. M. — (see Krishnan, S. S.) **123,** 331–339
Faghri, A. — (see Zhang, Yuwen) **123,** 501–511
Faghri, Amir — (see Shafii, Mohammad B.) **123,** 1159–1172
_____ (see Tabatabai, Ahmadali) **123,** 958–968
Fan, Tai-Hsi, and Fedorov, Andrei — VISUALIZATION OF ATOMIC FORCE MICROSCOPY FROM MOLECULAR DYNAMICS SIMULATIONS. **123,** 619(G)
Fedorov, Andrei — (see Fan, Tai-Hsi) **123,** 619(G)
Fessler, John — (see Elkins, Christopher J.) **123,** 604–607(TN)
Fleischer, A. S. — (see Goldstein, R. J.) **123,** 1015–1017(TN)
Fletcher, David F. — (see Harvie, Dalton J. E.) **123,** 486–491
Fletcher, L. S. — (see Marotta, E. E.) **123,** 11–23
Floryan, J. M. — (see Czechowski, L.) **123,** 96–104
Forno, C. — (see Newport, D. T.) **123,** 1052–1061
França, Francis H. R., Ezekoye, Ofodike A., and Howell, John R. — Inverse Boundary Design Combining Radiation and Convection Heat Transfer. **123,** 884–891
Fu, H. L., Leong, K. C., Huang, X. Y., and Liu, C. Y. — An Experimental Study of Heat Transfer of a Porous Channel Subjected to Oscillating Flow. **123,** 162–170
_____, **Leong, K. C., Huang, X. Y., and Liu, C. Y.** — Erratum: "An Experimental Study of Heat Transfer of a Porous Channel Subjected to Oscillating Flow" [ASME J. Heat Transfer, **123,** No. 1, pp. 162–170]. **123,** 1194(E)

Gaddis, J. L. — (see Li, X.) **123,** 1086–1092
Gao, J. W., and Wang, C. Y. — Transport Phenomena During Solidification Processing of Functionally Graded Composites by Sedimentation. **123,** 368–375
Garimella, Suresh V. — (see Simpson, James E.) **123,** 990–998
Gau, C., Wu, S. X., and Su, H. S. — Synchronization of Vortex Shedding and Heat Transfer Enhancement Over a Heated Cylinder Oscillating With Small Amplitude in Streamwise Direction. **123,** 1139–1148
Gharib, Morteza — (see Park, H. G.) **123,** 51–62
Goldberg, U. — Hypersonic Flow Heat Transfer Prediction Using Single Equation Turbulence Models. **123,** 65–69
Gol'dshtein, V. A. — (see Sazhin, S. S.) **123,** 63–64
Goldstein, R. J., Fleischer, A. S., and Hogerton, P. B. — Electrochemical Mass Transfer at Moderate Rayleigh Numbers. **123,** 1015–1017(TN)
_____, **and He, Boyong** — Energy Separation and Acoustic Interaction in Flow Across a Circular Cylinder. **123,** 682–687
Goodson, Kenneth E. — (see Sverdrup, Per G.) **123,** 130–137
Gülder, Ö. L. — (see Smallwood, G. J.) **123,** 814–818(TN)

Habib, Hamza M., and Wood, Byard D. — Simultaneous Heat and Mass Transfer in Film Absorption With the Presence of Non-Absorbable Gases. **123,** 984–989
Haji-Sheikh, A. — (see Aviles-Ramos, C.) **123,** 24–30
Hall, Carsie A., III , and Mackie, Calvin — A Quasi-Steady Analytical Solution to Freezing Planar Couette Flow With Viscous Dissipation. **123,** 407–411(TN)
Hall, David E., Incropera, Frank P., and Viskanta, Raymond — Jet Impingement Boiling From a Circular Free-Surface Jet During Quenching: Part 1—Single-Phase Jet. **123,** 901–910
_____, **Incropera, Frank P., and Viskanta, Raymond** — Jet Impingement Boiling From a Circular Free-Surface Jet During Quenching: Part 2—Two-Phase Jet. **123,** 911–917
Hamins, Anthony — (see Sivathanu, Yudaya) **123,** 1093–1097
Han, Je-Chin — (see Jang, Yong-Jun) **123,** 563–575
_____ (see Teng, Shuye) **123,** 803–809(TN)
Hao, Y. L., and Tao, Y.-X. — Melting of a Solid Sphere Under Forced and Mixed Convection: Flow Characteristics. **123,** 937–950
Harvie, Dalton J. E., and Fletcher, David F. — A Simple Kinetic Theory Treatment of Volatile Liquid-Gas Interfaces. **123,** 486–491
Hatzikonstantinou, P. M. — (see Sakalis, V. D.) **123,** 1030–1034
He, Boyong — (see Goldstein, R. J.) **123,** 682–687
He, Ya-Ling — (see Wang, Liang-Bi) **123,** 868–877
Heikal, M. R. — (see Sazhin, S. S.) **123,** 63–64
Hetsroni, G. — (see Mosyak, A.) **123,** 213–218
Hetsroni, Gad — (see Tiselj, Iztok) **123,** 849–857
Hishida, Koichi — (see Li, Peiwen) **123,** 779–789
Ho, C. J., and Tu, F. J. — Visualization and Prediction of Natural Convection of Water Near Its Density Maximum in a Tall Rectangular Enclosure at High Rayleigh Numbers. **123,** 84–95
Hogerton, P. B. — (see Goldstein, R. J.) **123,** 1015–1017(TN)
Hollands, K. G. T. — (see Daun, K. J.) **123,** 249–256
Hollingsworth, D. Keith — (see Barrett, Michael J.) **123,** 878–883
Howell, John R. — (see França, Francis H. R.) **123,** 884–891

Hsiao, Kuang-Ting, Laudorn, Hans, and Advani, Suresh G. — Experimental Investigation of Heat Dispersion Due to Impregnation of Viscous Fluids in Heated Fibrous Porous During Composites Processing. **123,** 178–187
Hsieh, C. K., and Leung, M. — Phase Change in a Cylinder and a Cylindrical Shell Heated With an Axisymmetric Front Moving in the Axial Direction. **123,** 476–485
Hsieh, Shou-Shing, and Yang, Tsung-Ying — Nucleate Pool Boiling From Coated and Spirally Wrapped Tubes in Saturated R-134a and R-600a at Low and Moderate Heat Flux. **123,** 257–270
Hsu, Kuei-Chang — (see Lin, Yur-Tsai) **123,** 827–836
Hsu, P.-F. — (see Tan, Z.-M.) **123,** 466–475
Hu, Hanping — (see Wang, Xinwei) **123,** 138–144
Huang, LiDong, and Witte, Larry C. — Highly Subcooled Boiling in Crossflow. **123,** 1080–1085
Huang, X. Y. — (see Cui, C.) **123,** 404–407
_____ (see Fu, H. L.) **123,** 162–170
_____ (see Fu, H. L.) **123,** 1194(E)
Husain, A. N. — (see Seyed-Yagoobi, J.) **123,** 711–718
Hwang, G. J., Tzeng, S. C., Mao, C. P., and Soong, C. Y. — Heat Transfer in a Radially Rotating Four-Pass Serpentine Channel With Staggered Half-V Rib Turbulators. **123,** 39–50

Incropera, Frank P. — (see Hall, David E.) **123,** 901–910
_____ (see Hall, David E.) **123,** 911–917

Jacobi, A. M. — (see Korte, C.) **123,** 926–936
Jacobi, Anthony M. — (see Kearney, Sean P.) **123,** 655–664
Jaluria, Yogesh — (see Chiu, Wilson K. S.) **123,** 688–697
Jang, Yong-Jun, Chen, Hamn-Ching, and Han, Je-Chin — Computation of Flow and Heat Transfer in Two-Pass Channels With 60 deg Ribs. **123,** 563–575
Jensen, Michael K. — (see Liu, Xiaoyue) **123,** 1035–1044
Jiang, X. Y. — (see Wan, Y. P.) **123,** 382–389
Jung, W. S. — (see Park, H. M.) **123,** 1021–1029

Kandlikar, Satish G. — A Theoretical Model to Predict Pool Boiling CHF Incorporating Effects of Contact Angle and Orientation. **123,** 1071–1079
Kang, Myeong-Gie — Diameter Effects on Nucleate Pool Boiling for a Vertical Tube. **123,** 400–404(TN)
Kao, Shu-Hsin — (see Arpaci, Vedat S.) **123,** 1181–1184(TN)
Kashiwagi, Takashi — (see Sivathanu, Yudaya) **123,** 1093–1097
Kawaguchi, Yasuo — (see Li, Peiwen) **123,** 779–789
Keanini, Russell G. — (see Lawton, Kevin M.) **123,** 796–802
Kearney, Sean P., Jacobi, Anthony M., and Lucht, Robert P. — Time-Resolved Thermal Boundary-Layer Structure in a Pulsatile Reversing Channel Flow. **123,** 655–664
Khan, Jameel-ur-Rehman, and Zubair, Syed M. — An Improved Design and Rating Analyses of Counter Flow Wet Cooling Towers. **123,** 770–778
Kihm, K. D. — Heat Transfer Photogallery. **123,** 617(G)
_____ (see Kim, H. J.) **123,** 618(G)
Kim, Duckjong — (see Kim, Sung Jin) **123,** 527–533
Kim, H. J., and Kihm, K. D. — EVAPORATING CAPILLARY PORE FLOWS RANGING FROM 10-mm TO 10-μm DIAMETER. **123,** 618(G)
Kim, Jungho, Benton, John, McQuillen, John, and Vickerman, Mary — SUBCOOLED POOL BOILING HEAT TRANSFER IN MICROGRAVITY AND Hi-g. **123,** 620(G)
Kim, Kwang J. — (see Lloyd, George M.) **123,** 520–526
Kim, Man-Hoe, Shin, Jeong-Seob, and Bullard, Clark W. — Heat Transfer and Pressure Drop Characteristics During R22 Evaporation in an Oval Microfin Tube. **123,** 301–308
Kim, Sung Jin, and Kim, Duckjong — Thermal Interaction at the Interface Between a Porous Medium and an Impermeable Wall. **123,** 527–533
Kiml, Robert, Mochizuki, Sadanari, and Murata, Akira — Effects of Rib Arrangements on Heat Transfer and Flow Behavior in a Rectangular Rib-Roughened Passage: Application to Cooling of Gas Turbine Blade Trailing Edge. **123,** 675–681
Kitagawa, Shin-ichi — (see Takahashi, Minoru) **123,** 703–710
Kiwan, S., and Al-Nimr, M. A. — Using Porous Fins for Heat Transfer Enhancement. **123,** 790–795
Kobus, C. J., Wedekind, G. L., and Bhatt, B. L. — Predicting the Onset of a Low-Frequency, Limit-Cycle Type of Oscillatory Flow Instability in Multitube Condensing Flow Systems. **123,** 319–330
Komarov, Pavel L. — (see Kulish, Vladimir V.) **123,** 1133–1138
Korte, C., and Jacobi, A. M. — Condensate Retention Effects on the Performance of Plain-Fin-and-Tube Heat Exchangers: Retention Data and Modeling. **123,** 926–936
Koumoutsakos, P. — (see Walther, J. H.) **123,** 741–748
Krishnan, S. S., Lin, K.-C., and Faeth, G. M. — Extinction and Scattering Properties of Soot Emitted From Buoyant Turbulent Diffusion Flames. **123,** 331–339
Kulish, Vladimir V., Lage, José L., Komarov, Pavel L., and Raad, Peter E. — A Fractional-Diffusion Theory for Calculating Thermal Properties of Thin Films From Surface Transient Thermoreflectance Measurements. **123,** 1133–1138
Kundu, B., and Das, P. K. — Performance Analysis and Optimization of Annular Fin With a Step Change in Thickness. **123,** 601–604(TN)
Kurosaki, Yasuo — (see Yamada, Jun) **123,** 458–465

Lage, José L. — (see Kulish, Vladimir V.) **123,** 1133–1138
_____ (see Narasimhan, Arunn) **123,** 31–38
_____ (see Narasimhan, Arunn) **123,** 1045–1051
Lai, F. C. — (see Leong, J. C.) **123,** 512–519
Laudorn, Hans — (see Hsiao, Kuang-Ting) **123,** 178–187
Lauriat, Guy — (see Sommerer, Yannick) **123,** 837–848
Lawton, Kevin M., Patterson, Steven R., and Keanini, Russell G. — Precision Temperature Control of High-Throughput Fluid Flows: Theoretical and Experimental Analysis. **123,** 796–802
Lee, D. J. — (see Liu, Z. W.) **123,** 399–400(TN)
Lee, Hanjie, and Pearlstein, Arne J. — Interface Shape and Thermally-Driven Convection in Vertical Bridgman Growth of Gallium Selenide: A Semiconductor With Anisotropic Solid-Phase Thermal Conductivity. **123,** 729–740
Lee, S. L., and Ou, C. R. — Gap Formation and Interfacial Heat Transfer Between Thermoelastic Bodies in Imperfect Contact. **123,** 205–212
Leong, J. C., and Lai, F. C. — Effective Permeability of a Layered Porous Cavity. **123,** 512–519
Leong, K. C. — (see Fu, H. L.) **123,** 162–170
_____ (see Fu, H. L.) **123,** 1194(E)
Leung, M. — (see Hsieh, C. K.) **123,** 476–485
Li, G. — (see Rainey, K. N.) **123,** 918–925
Li, Lei, and Bennett, Ted D. — Incandescence Measurement During CO_2 Laser Texturing of Silicate Glass. **123,** 376–381
Li, Peiwen, Kawaguchi, Yasuo, Daisaka, Hisashi, Yabe, Akira, Hishida, Koichi, and Maeda, Masanobu — Heat Transfer Enhancement to the Drag-Reducing Flow of Surfactant Solution in Two-Dimensional Channel With Mesh-Screen Inserts at the Inlet. **123,** 779–789
Li, X., Gaddis, J. L., and Wang, T. — Modeling of Heat Transfer in a Mist/Steam Impinging Jet. **123,** 1086–1092
Lin, K.-C. — (see Krishnan, S. S.) **123,** 331–339
Lin, W. W. — (see Liu, Z. W.) **123,** 399–400(TN)
Lin, Y.-L., and Shih, T. I.-P. — Film Cooling of a Cylindrical Leading Edge With Injection Through Rows of Compound-Angle Holes. **123,** 645–654

____, **Shih, T. I.-P., Stephens, M. A., and Chyu, M. K.** — A Numerical Study of Flow and Heat Transfer in a Smooth and Ribbed U-Duct With and Without Rotation. **123,** 219–232

Lin, Yur-Tsai, Hsu, Kuei-Chang, Chang, Yu-Juei, and Wang, Chi-Chuan — Performance of Rectangular Fin in Wet Conditions: Visualization and Wet Fin Efficiency. **123,** 827–836

Ling, Jian, Cao, Yiding, and Lopez, Alex P. — Experimental Investigations of Radially Rotating Miniature High-Temperature Heat Pipes. **123,** 113–119

Liu, C. Y. — (see Cui, C.) **123,** 404–407

____ (see Fu, H. L.) **123,** 162–170

____ (see Fu, H. L.) **123,** 1194(E)

Liu, F. — (see Smallwood, G. J.) **123,** 814–818(TN)

Liu, Xiaoyue, and Jensen, Michael K. — Geometry Effects on Turbulent Flow and Heat Transfer in Internally Finned Tubes. **123,** 1035–1044

Liu, Z. W., Lin, W. W., Lee, D. J., and Peng, X. F. — Pool Boiling of FC-72 and HFE-7100. **123,** 399–400(TN)

Lloyd, George M., Razani, A., and Kim, Kwang J. — Formulation and Numerical Solution of Non-Local Thermal Equilibrium Equations for Multiple Gas/Solid Porous Metal Hydride Reactors. **123,** 520–526

Lopes, Rogério, Moura, Luís M., Baillis, Dominique, and Sacadura, Jean-François — Directional Spectral Emittance of a Packed Bed: Correlation Between Theoretical Prediction and Experimental Data. **123,** 240–248

Lopez, Alex P. — (see Ling, Jian) **123,** 113–119

Lottes, S. A. — (see Chang, S. L.) **123,** 544–555

Lucht, Robert P. — (see Kearney, Sean P.) **123,** 655–664

Lutjen, P. M., Mishra, D., and Prasad, V. — Three-Dimensional Visualization and Measurement of Temperature Field Using Liquid Crystal Scanning Thermography. **123,** 1006–1014

Mackie, Calvin — (see Hall, Carsie A., III) **123,** 407–411(TN)

Maeda, Masanobu — (see Li, Peiwen) **123,** 779–789

Majumdar, Arunava — (see Mazumder, Sandip) **123,** 749–759

Malico, Isabel, and Pereira, José Carlos F. — Numerical Study on the Influence of Radiative Properties in Porous Media Combustion. **123,** 951–957

Mallison, Thomas M. — (see Modest, Michael F.) **123,** 171–177

Mao, C. P. — (see Hwang, G. J.) **123,** 39–50

Marotta, E. E., Fletcher, L. S., and Dietz, Thomas A. — Thermal Contact Resistance Modeling of Non-Flat, Roughened Surfaces With Non-Metallic Coatings. **123,** 11–23

Mathur, S. R., and Murthy, J. Y. — Acceleration of Anisotropic Scattering Computations Using Coupled Ordinates Method (COMET). **123,** 607–612(TN)

Mavko, Borut — (see Tiselj, Iztok) **123,** 849–857

Mazumder, Sandip, and Majumdar, Arunava — Monte Carlo Study of Phonon Transport in Solid Thin Films Including Dispersion and Polarization. **123,** 749–759

McCahan, Susan — (see Cui, Qiang) **123,** 719–728

McClain, Rodney L. — (see Díaz, Gerardo) **123,** 556–562

____ (see Pacheco-Vega, Arturo) **123,** 348–354

McQuillen, John — (see Kim, Jungho) **123,** 620(G)

Mishra, D. — (see Lutjen, P. M.) **123,** 1006–1014

Miyara, Akio — Flow Dynamics and Heat Transfer of Wavy Condensate Film. **123,** 492–500

Mochizuki, Sadanari — (see Kiml, Robert) **123,** 675–681

____ (see Murata, Akira) **123,** 858–867

Modest, Michael F., and Mallison, Thomas M. — Transient Elastic Thermal Stress Development During Laser Scribing of Ceramics. **123,** 171–177

Mori, Yasuhiko H. — (see Yoshida, Ken-ichi) **123,** 309–318

Mosaad, M. — Mixed-Convection Laminar Film Condensation on an Inclined Elliptical Tube. **123,** 294–300

Mosyak, A., Pogrebnyak, E., and Hetsroni, G. — Effect of Constant Heat Flux Boundary Condition on Wall Temperature Fluctuations. **123,** 213–218

Moura, Luís M. — (see Lopes, Rogério) **123,** 240–248

Mulholland, George — (see Sivathanu, Yudaya) **123,** 1093–1097

Murakoso, Hiroyuki — (see Takahashi, Minoru) **123,** 703–710

Murata, Akira, and Mochizuki, Sadanari — Large Eddy Simulation of Turbulent Heat Transfer in an Orthogonally Rotating Square Duct With Angled Rib Turbulators. **123,** 858–867

____ (see Kiml, Robert) **123,** 675–681

Murthy, J. Y. — (see Mathur, S. R.) **123,** 607–612(TN)

Muzychka, Y. S., and Yovanovich, M. M. — Thermal Resistance Models for Non-Circular Moving Heat Sources on a Half Space. **123,** 624–632

Nagai, Takanori — (see Yamada, Jun) **123,** 458–465

Nagashima, Akira — (see Yoshida, Ken-ichi) **123,** 309–318

Narasimhan, Arunn, and Lage, José L. — Modified Hazen-Dupuit-Darcy Model for Forced Convection of a Fluid With Temperature-Dependent Viscosity. **123,** 31–38

____, **Lage, José L., and Nield, Donald A.** — New Theory for Forced Convection Through Porous Media by Fluids With Temperature-Dependent Viscosity. **123,** 1045–1051

Nayak, Arun Kumar — (see Takahashi, Minoru) **123,** 703–710

Neagu, M., and Bejan, A. — Constructal Placement of High-Conductivity Inserts in a Slab: Optimal Design of "Roughness". **123,** 1184–1189(TN)

Newport, D. T., Dalton, T. M., Davies, M. R. D., Whelan, M., and Forno, C. — On the Thermal Interaction Between an Isothermal Cylinder and Its Isothermal Enclosure for Cylinder Rayleigh Numbers of Order 10^4. **123,** 1052–1061

Nguang, S. K. — (see Chen, X. D.) **123,** 1149–1158

Nield, Donald A. — (see Narasimhan, Arunn) **123,** 1045–1051

O'Brien, J. E., and Sohal, Manohar S. — LOCAL FIN-SURFACE HEAT TRANSFER FOR FLOW AROUND A CIRCULAR CYLINDER WITH AND WITHOUT VORTEX-GENERATING WINGLETS. **123,** 623(G)

Ogiso, Ken — Assessment of Overall Cooling Performance in Thermal Design of Electronics Based on Thermodynamics. **123,** 999–1005

Oka, Toshiharu — (see Yoshida, Ken-ichi) **123,** 309–318

Olson, Lorraine — (see Throne, Robert) **123,** 633–644

Oo, Aung N., and Ching, Chan Y. — Effect of Turbulence With Different Vortical Structures on Stagnation Region Heat Transfer. **123,** 665–674

Ou, C. R. — (see Lee, S. L.) **123,** 205–212

Pacheco-Vega, Arturo, Díaz, Gerardo, Sen, Mihir, Yang, K. T., and McClain, Rodney L. — Heat Rate Predictions in Humid Air-Water Heat Exchangers Using Correlations and Neural Networks. **123,** 348–354

Park, H. G., and Gharib, Morteza — Experimental Study of Heat Convection From Stationary and Oscillating Circular Cylinder in Cross Flow. **123,** 51–62

Park, H. M., and Jung, W. S. — On the Solution of Multidimensional Inverse Heat Conduction Problems Using an Efficient Sequential Method. **123,** 1021–1029

Patterson, Steven R. — (see Lawton, Kevin M.) **123,** 796–802

Pearlstein, Arne J. — (see Lee, Hanjie) **123,** 729–740

Peng, X. F. — (see Liu, Z. W.) **123,** 399–400(TN)

Pereira, José Carlos F. — (see Malico, Isabel) **123,** 951–957

Petrick, M. — (see Chang, S. L.) **123,** 544–555

Phelan, Patrick E. — (see Prasher, Ravi S.) **123,** 105–112

____ (see Prasher, Ravi S.) **123,** 1194(E)

Pogrebnyak, E. — (see Mosyak, A.) **123,** 213–218

Poulikakos, D. — (see Attinger, D.) **123,** 1110–1122
Prasad, V. — (see Chen, Q.-S.) **123,** 1098–1109
——— (see Lutjen, P. M.) **123,** 1006–1014
——— (see Wan, Y. P.) **123,** 382–389
Prasher, Ravi S. — Surface Chemistry and Characteristics Based Model for the Thermal Contact Resistance of Fluidic Interstitial Thermal Interface Materials. **123,** 969–975
———, **and Phelan, Patrick E.** — A Scattering-Mediated Acoustic Mismatch Model for the Prediction of Thermal Boundary Resistance. **123,** 105–112
———, **and Phelan, Patrick E.** — Erratum: "A Scattering-Mediated Acoustic Mismatch Model for the Prediction of Thermal Boundary Resistance" [ASME J. Heat Transfer, **123**, No. 1, pp. 105–112]. **123,** 1194(E)

Raad, Peter E. — (see Kulish, Vladimir V.) **123,** 1133–1138
Rainey, K. N., Li, G., and You, S. M. — Flow Boiling Heat Transfer From Plain and Microporous Coated Surfaces in Subcooled FC-72. **123,** 918–925
Rao, C. Gururaja, Balaji, C., and Venkateshan, S. P. — Conjugate Mixed Convection With Surface Radiation From a Vertical Plate With a Discrete Heat Source. **123,** 698–702(TN)
Razani, A. — (see Lloyd, George M.) **123,** 520–526
Razelos, P. — Discussion: "Fin (On a Pipe) Effectiveness: One-Dimensional and Two-Dimensional" (Look, Jr., D. C., 1999, ASME J. of Heat Transfer, **121**, No. 1, pp. 227–230). **123,** 1192–1193(D)
Richards, Cristy J. — (see Chiu, Wilson K. S.) **123,** 688–697
Rocha, Luiz A. O., and Bejan, Adrian — Geometric Optimization of Periodic Flow and Heat Transfer in a Volume Cooled by Parallel Tubes. **123,** 233–239

Sacadura, J.-F. — (see Dembele, S.) **123,** 534–543
Sacadura, Jean-François — (see Lopes, Rogério) **123,** 240–248
Saha, S. K., and Dutta, A. — Thermohydraulic Study of Laminar Swirl Flow Through a Circular Tube Fitted With Twisted Tapes. **123,** 417–427
Sakalis, V. D., and Hatzikonstantinou, P. M. — Laminar Heat Transfer in the Entrance Region of Internally Finned Square Ducts. **123,** 1030–1034
Sakami, M., El Kasmi, A., and Charette, A. — Analysis of Radiative Heat Transfer in Complex Two-Dimensional Enclosures With Obstacles Using the Modified Discrete Ordinates Method. **123,** 892–900
Sampath, S. — (see Wan, Y. P.) **123,** 382–389
Sazhin, S. S., Gol'dshtein, V. A., and Heikal, M. R. — A Transient Formulation of Newton's Cooling Law for Spherical Bodies. **123,** 63–64
Seetharamu, K. N. — (see Velusamy, K.) **123,** 1062–1070
Sen, Mihir — (see Díaz, Gerardo) **123,** 556–562
——— (see Pacheco-Vega, Arturo) **123,** 348–354
Sert, C., and Beskok, A. — SHEAR LAYER INSTABILITY AND MIXING IN MICRO HEAT SPREADERS. **123,** 621(G)
Seyed-Yagoobi, J., and Husain, A. N. — Experimental and Theoretical Study of Heating/Drying of Moist Paper Sheet With a Gas-Fired Infrared Emitter. **123,** 711–718
——— (see Bryan, J. E.) **123,** 355–367
Shafii, M. B. — (see Zhang, Yuwen) **123,** 501–511
Shafii, Mohammad B., Faghri, Amir, and Zhang, Yuwen — Thermal Modeling of Unlooped and Looped Pulsating Heat Pipes. **123,** 1159–1172
Shih, T. I.-P. — (see Lin, Y.-L.) **123,** 219–232
——— (see Lin, Y.-L.) **123,** 645–654
Shin, Jeong-Seob — (see Kim, Man-Hoe) **123,** 301–308
Shoji, M. — (see Ueno, I.) **123,** 1123–1132
Shoukri, M., Ph.D. — (see Cotton, J. S., Ph.D.) **123,** 622(G)
Siems, David L. — (see Vargas, Jose V. C.) **123,** 760–769
Simpson, James E., Garimella, Suresh V., de Groh, Henry C., III, and Abbaschian, Reza — Bridgman Crystal Growth of an Alloy With Thermosolutal Convection Under Microgravity Conditions. **123,** 990–998
Sivathanu, Yudaya, Hamins, Anthony, Mulholland, George, Kashiwagi, Takashi, and Buch, Robert — Characterization of Particulate From Fires Burning Silicone Fluids. **123,** 1093–1097
Smallwood, G. J., Snelling, D. R., Liu, F., and Gülder, Ö. L. — Clouds Over Soot Evaporation: Errors in Modeling Laser-Induced Incandescence of Soot. **123,** 814–818(TN)
Snelling, D. R. — (see Smallwood, G. J.) **123,** 814–818(TN)
Sohal, Manohar S. — (see O'Brien, J. E.) **123,** 623(G)
Solovjov, Vladimir P., and Webb, Brent W. — An Efficient Method for Modeling Radiative Transfer in Multicomponent Gas Mixtures With Soot. **123,** 450–457
Sommerer, Yannick, and Lauriat, Guy — Numerical Study of Steady Forced Convection in a Grooved Annulus Using a Design of Experiments. **123,** 837–848
Soong, C. Y. — (see Hwang, G. J.) **123,** 39–50
Souhar, Mohamed — (see Aniss, Saïd) **123,** 428–433
Stephens, M. A. — (see Lin, Y.-L.) **123,** 219–232
Su, H. S. — (see Gau, C.) **123,** 1139–1148
Sundararajan, T. — (see Velusamy, K.) **123,** 1062–1070
Sungtaek Ju, Y. — (see Sverdrup, Per G.) **123,** 130–137
Sverdrup, Per G., Sungtaek Ju, Y., and Goodson, Kenneth E. — Sub-Continuum Simulations of Heat Conduction in Silicon-on-Insulator Transistors. **123,** 130–137

Tabatabai, Ahmadali, and Faghri, Amir — A New Two-Phase Flow Map and Transition Boundary Accounting for Surface Tension Effects in Horizontal Miniature and Micro Tubes. **123,** 958–968
Takahashi, Minoru, Nayak, Arun Kumar, Kitagawa, Shin-ichi, and Murakoso, Hiroyuki — Heat Transfer in Direct Contact Condensation of Steam to Subcooled Water Spray. **123,** 703–710
Tan, Z.-M., and Hsu, P.-F. — An Integral Formulation of Transient Radiative Transfer. **123,** 466–475
Tao, Wen-Quan — (see Wang, Liang-Bi) **123,** 868–877
Tao, Y.-X. — (see Hao, Y. L.) **123,** 937–950
Teng, Shuye, Han, Je-Chin, and Azad, G. M. S. — Detailed Heat Transfer Coefficient Distributions on a Large-Scale Gas Turbine Blade Tip. **123,** 803–809(TN)
Thomas, Scott K. — (see Castle, R. Michael) **123,** 120–129
Throne, Robert, and Olson, Lorraine — The Steady Inverse Heat Conduction Problem: A Comparison of Methods With Parameter Selection. **123,** 633–644
Tiselj, Iztok, Bergant, Robert, Mavko, Borut, Bajsić, Ivan, and Hetsroni, Gad — DNS of Turbulent Heat Transfer in Channel Flow With Heat Conduction in the Solid Wall. **123,** 849–857
Tu, F. J. — (see Ho, C. J.) **123,** 84–95
Tzeng, Pei-Yuan — (see Yan, Wei-Mon) **123,** 810–814(TN)
Tzeng, S. C. — (see Hwang, G. J.) **123,** 39–50

Ueno, I., and Shoji, M. — Thermal-Fluid Phenomena Induced by Nanosecond-Pulse Heating of Materials in Water. **123,** 1123–1132

Vadasz, Peter — Heat Transfer Regimes and Hysteresis in Porous Media Convection. **123,** 145–156
Vargas, Jose V. C., Bejan, Adrian, and Siems, David L. — Integrative Thermodynamic Optimization of the Crossflow Heat Exchanger for an Aircraft Environmental Control System. **123,** 760–769

Velusamy, K., Sundararajan, T., and Seetharamu, K. N. — Interaction Effects Between Surface Radiation and Turbulent Natural Convection in Square and Rectangular Enclosures. **123,** 1062–1070
Venkateshan, S. P. — (see Rao, C. Gururaja) **123,** 698–702(TN)
Vickerman, Mary — (see Kim, Jungho) **123,** 620(G)
Viskanta, Raymond — (see Hall, David E.) **123,** 901–910
_____ (see Hall, David E.) **123,** 911–917

Wakitani, Shunichi — Numerical Study of Three-Dimensional Oscillatory Natural Convection at Low Prandtl Number in Rectangular Enclosures. **123,** 77–83
Walther, J. H., and Koumoutsakos, P. — Molecular Dynamics Simulation of Nanodroplet Evaporation. **123,** 741–748
Wan, Y. P., Zhang, H., Jiang, X. Y., Sampath, S., and Prasad, V. — Role of Solidification, Substrate Temperature and Reynolds Number on Droplet Spreading in Thermal Spray Deposition: Measurements and Modeling. **123,** 382–389
Wang, C. Y. — (see Gao, J. W.) **123,** 368–375
Wang, Chi-Chuan — (see Lin, Yur-Tsai) **123,** 827–836
Wang, Liang-Bi, Tao, Wen-Quan, Wang, Qiu-Wang, and He, Ya-Ling — Experimental and Numerical Study of Turbulent Heat Transfer in Twisted Square Ducts. **123,** 868–877
Wang, Qiu-Wang — (see Wang, Liang-Bi) **123,** 868–877
Wang, S. C., and Wei, P. S. — Modeling Dynamic Electrical Resistance During Resistance Spot Welding. **123,** 576–585
Wang, T. — (see Li, X.) **123,** 1086–1092
Wang, Xinwei, Hu, Hanping, and Xu, Xianfan — Photo-Acoustic Measurement of Thermal Conductivity of Thin Films and Bulk Materials. **123,** 138–144
Webb, Brent W. — (see Solovjov, Vladimir P.) **123,** 450–457
Wedekind, G. L. — (see Kobus, C. J.) **123,** 319–330
Wei, P. S. — (see Wang, S. C.) **123,** 576–585
Wen, J. X. — (see Dembele, S.) **123,** 534–543
Whelan, M. — (see Newport, D. T.) **123,** 1052–1061
Witte, Larry C. — (see Huang, LiDong) **123,** 1080–1085
Wood, Byard D. — (see Habib, Hamza M.) **123,** 984–989
Wu, S. X. — (see Gau, C.) **123,** 1139–1148
Xu, X. Y. — (see Chen, X. D.) **123,** 1149–1158
Xu, Xianfan — (see Wang, Xinwei) **123,** 138–144

Yabe, Akira — (see Li, Peiwen) **123,** 779–789
Yamada, Jun, Kurosaki, Yasuo, and Nagai, Takanori — Radiation Heat Transfer Between Fluidizing Particles and a Heat Transfer Surface in a Fluidized Bed. **123,** 458–465
Yamaguchi, Yoshiyuki, and Asako, Yutaka — Effect of Partition Wall on Natural Convection Heat Transfer in a Vertical Air Layer. **123,** 441–449
Yan, Wei-Mon, and Tzeng, Pei-Yuan — Transport Phenomena of Developing Laminar Mixed Convection in Inclined Rectangular Ducts With Wall Transpiration. **123,** 810–814(TN)
Yang, K. T. — (see Díaz, Gerardo) **123,** 556–562
_____ (see Pacheco-Vega, Arturo) **123,** 348–354
Yang, Tsung-Ying — (see Hsieh, Shou-Shing) **123,** 257–270
Yerkes, Kirk L. — (see Castle, R. Michael) **123,** 120–129
Yoshida, Ken-ichi, Abe, Yoshiyuki, Oka, Toshiharu, Mori, Yasuhiko H., and Nagashima, Akira — Spray Cooling Under Reduced Gravity Condition. **123,** 309–318
You, S. M. — (see Ammerman, C. N.) **123,** 976–983
_____ (see Rainey, K. N.) **123,** 918–925
Yovanovich, M. M. — (see Muzychka, Y. S.) **123,** 624–632
Yushin, N. K. — (see Chen, Q.-S.) **123,** 1098–1109

Zeng, Taofang, and Chen, Gang — Phonon Heat Conduction in Thin Films: Impacts of Thermal Boundary Resistance and Internal Heat Generation. **123,** 340–347
Zhang, H. — (see Chen, Q.-S.) **123,** 1098–1109
_____ (see Wan, Y. P.) **123,** 382–389
Zhang, Na — (see Cai, Ruixian) **123,** 1189–1191(TN)
Zhang, Yuwen, Faghri, A., and Shafii, M. B. — Capillary Blocking in Forced Convective Condensation in Horizontal Miniature Channels. **123,** 501–511
_____ (see Shafii, Mohammad B.) **123,** 1159–1172
Zhou, C. Q. — (see Chang, S. L.) **123,** 544–555
Zubair, Syed M. — (see Khan, Jameel-ur-Rehman) **123,** 770–778